

Kyle Barnes

Richardson, TX | 936-238-8980 | kyle.barnes@utdallas.edu | U.S. Citizen
www.linkedin.com/in/kyle-barnes-cs | www.github.com/kyleb107

SUMMARY

Computer Science student and FAA-licensed private pilot building aviation-focused software with JavaScript, Java, and Python. Experience supporting AV equipment, 80+ gaming PCs, and game consoles in a university esports center.

EDUCATION

The University of Texas at Dallas, Richardson, TX

Expected May 2028

Bachelor of Science, Computer Science

Coursework: Data Structures & Algorithms, Software Engineering, Unix Systems, Computer Science I & II

Angelina College, Lufkin, TX

August 2025

Associate of Science, Multidisciplinary Studies

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, Python, C++

Tools & Technologies: React Native, Expo, HTML/CSS, Git, Maven, UNIX, Firebase, JavaFX, REST APIs

PROFESSIONAL EXPERIENCE

UT Dallas Gaming & Esports, Richardson, TX

August 2026 - Present

Facility Attendant

- Set up audiovisual equipment for esports events in a center with 80+ gaming PCs and six consoles.
- Check in students and guests, explain how the center works to parents and visitors, and help keep the front desk organized.
- Troubleshoot gaming PCs, consoles, peripherals, software, and network issues to get equipment working again.

Hijinx Trampoline Park, Lufkin, TX

September 2021 - July 2024

Lead Cashier

- Received the Hijinx Scholarship in December 2022 for customer service and work ethic.
- Scheduled and promoted private events for 200+ guests, trained staff, and helped coordinate busy shifts.

PROJECTS

Checkride - Pilot Learning Platform (JavaScript, React Native, Expo)

- Built a React Native and Expo app for iOS and Android that helps new and experienced pilots study, plan flight training, and prepare for a private pilot checkride.
- Created a 10-unit, 39-lesson course with 178 topics, a 40-question placement test, spaced review, oral-prep flashcards, and XP/streak tracking.
- Added flight school and scholarship search, cost planning, flight logging, METAR decoding, weight-and-balance tools, local data storage, backup/restore, and automated tests.

CloudDeck - Aviation Weather Tool (Java, Maven, REST API, JavaFX)

- Built a Java application that pulls live METAR data from the FAA Aviation Weather REST API for any ICAO airport code.
- Created a JavaFX interface with flight-category indicators, runway sorting, and crosswind/headwind calculations.

UTD Marketplace (JavaScript, HTML, CSS, Firebase)

- Helped build a web marketplace used by 1,500+ UTD students, including the interface, Firebase Authentication, and real-time listings.

CERTIFICATIONS

Technical Support Fundamentals, Google

March 2025

Private Pilot Airplane License, Federal Aviation Administration

January 2024

Remote Pilot Certificate, Federal Aviation Administration

January 2022